

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (previously presented): An isolated polynucleotide comprising:

- (a) a nucleotide sequence encoding a polypeptide having sugar transport protein activity, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:32 or 36 have at least 80% sequence identity, or
- (b) the complement of the nucleotide sequence of (a).

Claim 2. (previously presented): The polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:32 or 36 have at least 85% identity.

Claim 3. (previously presented): The polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:32 or 36 have at least 90% identity.

Claim 4. (previously presented): The polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:32 or 36 have at least 95% identity.

Claim 5. (previously presented): The polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide comprises the amino acid sequence of SEQ ID NO:32 or 36 .

Claim 6. (previously presented): The polynucleotide of Claim 1 wherein the nucleotide sequence comprises the nucleotide sequence of SEQ ID NO:31 or 35.

Claim 7. (previously presented): A vector comprising the polynucleotide of Claim 1.

Claim 8. (previously presented): A recombinant DNA construct comprising the polynucleotide of Claim 1 operably linked to at least one regulatory sequence.

Claim 9. (previously presented): A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 1.

Claim 10. (previously presented): A cell comprising the recombinant DNA construct of Claim 8.

Claim 11. (withdrawn): A method for producing a plant comprising transforming a plant cell with the polynucleotide of Claim 1 and regenerating a plant from the transformed plant cell.

Claims 12-19. (cancelled)